

AMENDMENTS TO CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A portable wireless computing system with selectable transceiver switching, comprising:
 - ~~a set of one or more~~first transceivers, each of the transceivers with a unique communication protocol that supports wide area network wireless communications;
 - a second transceiver that supports local area network wireless communications;
 - a third transceiver that supports personal area network wireless communications;
 - ~~a switch capable of differentiating communication signals and prioritized choosing, based on one of power being used to transmit, and power being received on a particular channel of an appropriate transceiver from the set of transceivers to communicate for the computing system;~~
 - ~~the switch interfacing with a system stack for controlling the interface to multiple types of the transceivers via an operating system; and~~
 - ~~a connector connecting an antenna system to the switch for communicating with the one or more transceivers, whereby power related switching is controlled between the one or more transceivers and the antenna system, the antenna system being integrated into a chassis of the portable computing system and the transceivers and switch being integrated into a circuit card and coupled to a system board of the portable computer system, the circuit card being connected to a communication jack that is operable to enable communications using any of the first transceiver, the second transceiver, and the third transceiver; and~~
 - a selector coupled between the antenna system and each of the first transceiver, the second transceiver, and the third transceiver, wherein the selector is operable to connect one of the first transceiver, the second transceiver, and the third transceiver to the antenna system.
2. (Currently Amended) The portable wireless computing system of claim 1, wherein the ~~switch-selector~~ is a zener diode that differentiates ~~operable to connect the one of the first transceiver, the second transceiver, and the third transceiver to the antenna system to enable communications based upon a power transmission associated with transmitting the communications.~~

3. (Currently Amended) The ~~portable wireless computing~~ system of claim 1, wherein the ~~switch-selector is an active power sensor device~~operable to connect the one of the first transceiver, the second transceiver, and the third transceiver to the antenna system to enable communications based upon a power associated with receiving the communications.
4. (Currently Amended) The ~~portable wireless computing~~ system of claim 1, wherein the ~~switch is a current limiter device~~first transceiver is operable at a first operating frequency and at least one of the second transceiver and the third transceiver is operable at a second frequency that is different from the first frequency.
5. (Currently Amended) The ~~portable wireless computing~~ system of claim 1, further comprising:
 - ~~a lookup table that associates transmission power with each of the transceivers, whereby the switch selects a transceiver from the set of transceivers when a certain power state in the lookup table is detected~~wherein the first transceiver is operable at a first operating frequency, the second transceiver is operable at a second operating frequency that is different from the first operating frequency, and the third transceiver is operable at a third operating frequency that is different from each of the first operating frequency and the second operating frequency.
6. (Canceled).
7. (Canceled).
8. (Currently Amended) The ~~portable wireless computing~~ system of claim 1, further comprising:
 - ~~a software driver that interfaces to the transceiver and interfaces to an operating system of the portable computer system, whereby the software driver receives instructions as to which transceiver of the set of transceivers to select~~wherein the antenna system includes a single antenna that supports each of the first transceiver, the second transceiver, and the third transceiver.

9. (Currently Amended) The ~~portable-wireless computing~~er system of claim 8-1, wherein the ~~software driver receives instructions from a higher level protocol stack of the portable computer system~~antenna system includes a plurality of antennas that support each of the first transceiver, the second transceiver, and the third transceiver.
10. (Currently Amended) The ~~portable-wireless computing~~er system of claim 8-1, wherein the ~~software driver receives instructions from a set of software applications of the portable computer system~~selector is operable to connect the one of the first transceiver, the second transceiver, and the third transceiver to the antenna system to enable communications based upon instructions from an operating system stack.
11. (Currently Amended) The ~~portable-wireless computing~~er system of claim 1, wherein the ~~set of transceivers and the switch are integrated into a circuit card~~selector is operable to connect the one of the first transceiver, the second transceiver, and the third transceiver to the antenna system to enable communications based upon a predetermined priority.
12. (Currently Amended) The ~~portable-wireless computing~~er system of claim 11, wherein the ~~circuit card connects to a system board of the portable computer system~~predetermined priority is based on transceiver power consumption.
13. (Currently Amended) The ~~portable-wireless computing~~er system of claim 11, wherein the ~~circuit card is a Mini PCI card~~predetermined priority is based on communication costs.
14. (Canceled).
15. (Currently Amended) A method of ~~switching between a set of one or more transceivers within a portable computer system~~for providing wireless communications, comprising:
providing a wireless communications system including an antenna system, set of one or more a first transceivers that supports wide area network wireless communications, each a second transceiver including a unique communication

protocol that supports local area network wireless communications, and a third transceiver that supports personal area network wireless communications;

~~providing a switch capable of differentiating communication signals and prioritized choosing, based on one of power being used to transmit, and power being received on a particular channel of an appropriate transceiver from the set of transceivers to communicate for the computing system;~~

~~interfacing the switch with a system stack for controlling the interface to multiple types of the transceivers via an operating system; and~~

~~providing a connector connecting an antenna system to the switch for communicating with the one or more transceivers, whereby power related switching is controlled between the one or more transceivers and the antenna system, the antenna system being integrated into a chassis of the portable computing system and the transceivers and switch being integrated into a circuit card and coupled to a system board of the portable computer system, the circuit card being connected to a communication jack~~selecting one of the first transceiver, the second transceiver, and the third transceiver for communicating over a network;

connecting the selected one of the first transceiver, the second transceiver, and the third transceiver to the antenna system; and

communicating wirelessly using the antenna system and the selected one of the first transceiver, the second transceiver, and the third transceiver.

16. (Canceled).

17. (Currently Amended) ~~The method of switching between a set of one or more transceivers within a portable computing system of claim 15, wherein:~~

~~the software driver is instructed by a higher level protocol stack~~ the selecting comprises selecting the one of the first transceiver, the second transceiver, and the third transceiver for communicating over a network based upon a power associated with transmitting the communications.

18. (Canceled).

19. (Currently Amended) ~~The method of switching between a set of one or more transceivers within a portable computing system of claim 15, wherein:~~

~~the portable computing system is in a casing and the antenna is integrated into the casing the selecting comprises selecting the one of the first transceiver, the second transceiver, and the third transceiver for communicating over a network based upon a power associated with receiving the communications.~~

20. (Currently Amended) ~~The method of switching between a set of one or more transceivers within a portable computing system of claim 159, wherein:~~

~~the software driver is instructed by a higher level protocol stack the first transceiver is operable at a first operating frequency and at least one of the second transceiver and the third transceiver is operable at a second frequency that is different from the first frequency.~~

21. (Currently Amended) ~~The method of switching between a set of one or more transceivers within a portable computing system of claim 159, wherein:~~

~~the software driver is instructed by a set of software applications of the portable computer system the first transceiver is operable at a first operating frequency, the second transceiver is operable at a second operating frequency that is different from the first operating frequency, and the third transceiver is operable at a third operating frequency that is different from each of the first operating frequency and the second operating frequency.~~

22. (New) A mobile computer, comprising:

a chassis;

an antenna system integrated in the chassis;

a first transceiver that is housed in the chassis and that supports wide area network wireless communications;

a second transceiver that is housed in the chassis and that supports local area network wireless communications;

a third transceiver that is housed in the chassis and that supports personal area network wireless communications; and

a switch coupled between the antenna system and each of the first transceiver, the second transceiver, and the third transceiver, wherein the switch is operable to connect one of the first transceiver, the second transceiver, and the third transceiver to the antenna system.

23. (New) The mobile computer of claim 22, further comprising:
a controller coupled to the switch and operable to control the switch to connect the one of the first transceiver, the second transceiver, and the third transceiver to the antenna system to enable communications based upon a power associated with transmitting the communications.
24. (New) The mobile computer of claim 22, further comprising:
a controller coupled to the switch and operable to control the switch to connect the one of the first transceiver, the second transceiver, and the third transceiver to the antenna system to enable communications based upon a power associated with receiving the communications.
25. (New) The mobile computer of claim 22, wherein the first transceiver is operable at a first operating frequency and at least one of the second transceiver and the third transceiver is operable at a second frequency that is different from the first frequency.